

AMENDMENTS TO THE CLAIMS

Please rewrite the claims as follows:

Claims 1-21 (Canceled)

22. (New) An image reading apparatus, comprising:

an image reader arranged to read an original;

a power supply arranged to supplying electric power to internal units of said apparatus by selectively using at least two power sources; and

an operation mode setting unit arranged to set one of the plurality of operation modes that require different consumption powers, in accordance with the power source that said power supply uses; and

a shading correction unit arranged to perform shading correction of image data obtained by said image reader by using calibration data that corresponds to the operation mode set by said operation mode setting unit.

23. (New) The apparatus according to claim 22, further comprising an interface arranged to be connected to an external apparatus via a cable having a communication function and power supply function, and

wherein the at least two power sources include a power supply of the external apparatus which can be used via the cable, and another power supply.

24. (New) The apparatus according to claim 23, wherein the other power supply is a commercial power supply.

25. (New) The apparatus according to claim 23, wherein said operation mode setting unit selects a power saving mode as the operation mode when said power supply uses the power source of the external apparatus.

26. (New) The apparatus according to claim 25, further comprising an illumination device arranged to illuminate a document upon reading a document image, and wherein electric power for driving said illumination device in the power saving mode is set to be smaller than another mode.

27. (New) The apparatus according to claim 25, further comprising a scanning unit arranged to optically scan a document upon reading a document image, and wherein a scanning speed of said scanning unit in the power saving mode is set to be lower than another mode.

28. (New) The apparatus according to claim 22, further comprising a notification unit arranged to notify an external apparatus of information indicating the power supply that said power supply controller uses.

29. (New) A control method for an image reading apparatus having a power supply arranged to supply electric power to internal units of the apparatus by selectively using at least two power sources, the method comprising:

an operation mode setting step of setting one of a plurality of operation modes that require different consumption powers, in accordance with the power source that the power supply uses; and

a shading correction step of performing shading correction of image data obtained by the image reader by using calibration data that corresponds to the operation mode set in the operation mode setting step.

30. (New) A memory medium which stores a program for controlling an image reading apparatus having a power supply arranged to supply electric power to internal units of the apparatus by selectively using at least two power sources, the method comprising:

an operation mode setting step of setting one of a plurality of operation modes that require different consumption powers, in accordance with the power source that the power supply uses; and

a shading correction step of performing shading correction of image data obtained by the image reader by using calibration data that corresponds to the operation mode set in the operation mode setting step.

31. (New) A program for controlling an image reading apparatus having a power supply arranged to supply electric power to internal units of the apparatus by selectively using at least two power sources, the method comprising:

an operation mode setting step of setting one of a plurality of operation modes that require different consumption powers, in accordance with the power source that the power supply uses; and

a shading correction step of performing shading correction of image data obtained by the image reader by using calibration data that corresponds to the operation mode set in the operation mode setting step.